

February 14, 2022

Derek Ingram
XDD, LLC
11171 Forest Haven Road
Festus, MO 63028
TEL: (314) 609-3065
FAX:



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ameren Huster Road

WorkOrder: 22020712

Dear Derek Ingram:

TEKLAB, INC received 2 samples on 2/11/2022 3:45:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	13
Dates Report	14
Quality Control Results	15
Receiving Check List	24
Chain of Custody	Appended

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Definitions

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Cooler Receipt Temp: 12.0 °C

Locations

Collinsville	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	jhriley@teklabinc.com

Collinsville Air	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	EHurley@teklabinc.com

Springfield	
Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Chicago	
Address	1319 Butterfield Rd. Downers Grove, IL 60515
Phone	(630) 324-6855
Fax	
Email	arenner@teklabinc.com

Kansas City	
Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IIEPA	100226	NELAP	1/31/2023	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2022	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2022	Collinsville
Illinois	IDPH	17584		5/31/2023	Collinsville
Kentucky	UST	0073		1/31/2023	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Lab ID: 22020712-001

Client Sample ID: CW-6

Matrix: GROUNDWATER

Collection Date: 02/11/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,1,1-Trichloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,1,2,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,1,2-Trichloro-1,2,2-trifluoroethane	*	0.4	5.0		ND	µg/L	1	02/14/2022 9:30	187694
1,1,2-Trichloroethane	NELAP	0.1	0.5		ND	µg/L	1	02/14/2022 9:30	187694
1,1-Dichloro-2-propanone	*	2.7	30.0		ND	µg/L	1	02/14/2022 9:30	187694
1,1-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,1-Dichloroethene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,1-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2,3-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2,3-Trichloropropane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2,3-Trimethylbenzene	*	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2,4-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2,4-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2-Dibromo-3-chloropropane	NELAP	0.3	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2-Dibromoethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,3,5-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,3-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,3-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1,4-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
1-Chlorobutane	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:30	187694
2,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
2-Butanone	NELAP	0.4	10.0		ND	µg/L	1	02/14/2022 9:30	187694
2-Chloroethyl vinyl ether	NELAP	0.4	5.0		ND	µg/L	1	02/14/2022 9:30	187694
2-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
2-Hexanone	NELAP	0.4	10.0		ND	µg/L	1	02/14/2022 9:30	187694
2-Nitropropane	NELAP	1.1	10.0		ND	µg/L	1	02/14/2022 9:30	187694
4-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
4-Methyl-2-pentanone	NELAP	0.4	10.0		ND	µg/L	1	02/14/2022 9:30	187694
Acetone	NELAP	2.4	10.0		11.9	µg/L	1	02/14/2022 9:30	187694
Acetonitrile	NELAP	1.4	10.0		ND	µg/L	1	02/14/2022 9:30	187694
Acrolein	NELAP	4.4	20.0		ND	µg/L	1	02/14/2022 9:30	187694
Acrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Allyl chloride	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Benzene	NELAP	0.1	0.5		ND	µg/L	1	02/14/2022 9:30	187694
Bromobenzene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Bromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Bromodichloromethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Bromoform	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Bromomethane	NELAP	1.0	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Carbon disulfide	NELAP	0.7	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Carbon tetrachloride	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Chlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Chloroethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Lab ID: 22020712-001

Client Sample ID: CW-6

Matrix: GROUNDWATER

Collection Date: 02/11/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Chloroform	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Chloromethane	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Chloroprene	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:30	187694
cis-1,2-Dichloroethene	NELAP	0.2	2.0	J	0.5	µg/L	1	02/14/2022 9:30	187694
cis-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
cis-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Cyclohexanone	*	3.8	20.0		ND	µg/L	1	02/14/2022 9:30	187694
Dibromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Dibromomethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Dichlorodifluoromethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Ethyl acetate	NELAP	2.6	10.0		ND	µg/L	1	02/14/2022 9:30	187694
Ethyl ether	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Ethyl methacrylate	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Ethylbenzene	NELAP	0.1	2.0	J	0.3	µg/L	1	02/14/2022 9:30	187694
Hexachlorobutadiene	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Hexachloroethane	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Iodomethane	NELAP	2.6	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Isopropylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
m,p-Xylenes	NELAP	0.2	2.0	J	0.7	µg/L	1	02/14/2022 9:30	187694
Methacrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Methyl Methacrylate	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Methyl tert-butyl ether	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Methylacrylate	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Methylene chloride	NELAP	0.9	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Naphthalene	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:30	187694
n-Butyl acetate	*	0.3	2.0		ND	µg/L	1	02/14/2022 9:30	187694
n-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
n-Heptane	*	0.2	5.0		ND	µg/L	1	02/14/2022 9:30	187694
n-Hexane	*	1.4	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Nitrobenzene	NELAP	10.0	50.0		ND	µg/L	1	02/14/2022 9:30	187694
n-Propylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
o-Xylene	NELAP	0.1	2.0	J	0.8	µg/L	1	02/14/2022 9:30	187694
Pentachloroethane	NELAP	0.4	5.0		ND	µg/L	1	02/14/2022 9:30	187694
p-Isopropyltoluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Propionitrile	NELAP	0.9	10.0		ND	µg/L	1	02/14/2022 9:30	187694
sec-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Styrene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
tert-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Tetrachloroethene	NELAP	0.1	0.5		ND	µg/L	1	02/14/2022 9:30	187694
Tetrahydrofuran	NELAP	0.8	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Toluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
trans-1,2-Dichloroethene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
trans-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:30	187694
trans-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Trichloroethene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:30	187694
Trichlorofluoromethane	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:30	187694
Vinyl acetate	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:30	187694



Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Lab ID: 22020712-001

Client Sample ID: CW-6

Matrix: GROUNDWATER

Collection Date: 02/11/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Vinyl chloride	NELAP	0.1	2.0	J	0.2	µg/L	1	02/14/2022 9:30	187694
Surr: 1,2-Dichloroethane-d4	*	0	80-120		93.2	%REC	1	02/14/2022 9:30	187694
Surr: 4-Bromofluorobenzene	*	0	80-120		102.0	%REC	1	02/14/2022 9:30	187694
Surr: Dibromofluoromethane	*	0	80-120		96.3	%REC	1	02/14/2022 9:30	187694
Surr: Toluene-d8	*	0	80-120		97.8	%REC	1	02/14/2022 9:30	187694

Allowable Marginal Exceedance of 1,1,2-Trichloroethane & 1,3-Dichloropropane in the laboratory control sample is verified per the TNI Standard.

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Lab ID: 22020712-002

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 02/11/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,1,1-Trichloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,1,2,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,1,2-Trichloro-1,2,2-trifluoroethane	*	0.4	5.0		ND	µg/L	1	02/14/2022 9:54	187694
1,1,2-Trichloroethane	NELAP	0.1	0.5		ND	µg/L	1	02/14/2022 9:54	187694
1,1-Dichloro-2-propanone	*	2.7	30.0		ND	µg/L	1	02/14/2022 9:54	187694
1,1-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,1-Dichloroethene	NELAP	0.1	2.0	J	0.2	µg/L	1	02/14/2022 9:54	187694
1,1-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2,3-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2,3-Trichloropropane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2,3-Trimethylbenzene	*	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2,4-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2,4-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2-Dibromo-3-chloropropane	NELAP	0.3	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2-Dibromoethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,3,5-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,3-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,3-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1,4-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
1-Chlorobutane	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:54	187694
2,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
2-Butanone	NELAP	0.4	10.0		ND	µg/L	1	02/14/2022 9:54	187694
2-Chloroethyl vinyl ether	NELAP	0.4	5.0		ND	µg/L	1	02/14/2022 9:54	187694
2-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
2-Hexanone	NELAP	0.4	10.0		ND	µg/L	1	02/14/2022 9:54	187694
2-Nitropropane	NELAP	1.1	10.0		ND	µg/L	1	02/14/2022 9:54	187694
4-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
4-Methyl-2-pentanone	NELAP	0.4	10.0		ND	µg/L	1	02/14/2022 9:54	187694
Acetone	NELAP	2.4	10.0		ND	µg/L	1	02/14/2022 9:54	187694
Acetonitrile	NELAP	1.4	10.0		ND	µg/L	1	02/14/2022 9:54	187694
Acrolein	NELAP	4.4	20.0		ND	µg/L	1	02/14/2022 9:54	187694
Acrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Allyl chloride	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Benzene	NELAP	0.1	0.5		ND	µg/L	1	02/14/2022 9:54	187694
Bromobenzene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Bromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Bromodichloromethane	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Bromoform	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Bromomethane	NELAP	1.0	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Carbon disulfide	NELAP	0.7	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Carbon tetrachloride	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Chlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Chloroethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Lab ID: 22020712-002

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 02/11/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Chloroform	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Chloromethane	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Chloroprene	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:54	187694
cis-1,2-Dichloroethene	NELAP	0.2	2.0		48.9	µg/L	1	02/14/2022 9:54	187694
cis-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
cis-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Cyclohexanone	*	3.8	20.0		ND	µg/L	1	02/14/2022 9:54	187694
Dibromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Dibromomethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Dichlorodifluoromethane	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Ethyl acetate	NELAP	2.6	10.0		ND	µg/L	1	02/14/2022 9:54	187694
Ethyl ether	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Ethyl methacrylate	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Ethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Hexachlorobutadiene	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Hexachloroethane	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Iodomethane	NELAP	2.6	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Isopropylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
m,p-Xylenes	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Methacrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Methyl Methacrylate	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Methyl tert-butyl ether	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Methylacrylate	NELAP	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Methylene chloride	NELAP	0.9	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Naphthalene	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:54	187694
n-Butyl acetate	*	0.3	2.0		ND	µg/L	1	02/14/2022 9:54	187694
n-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
n-Heptane	*	0.2	5.0		ND	µg/L	1	02/14/2022 9:54	187694
n-Hexane	*	1.4	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Nitrobenzene	NELAP	10.0	50.0		ND	µg/L	1	02/14/2022 9:54	187694
n-Propylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
o-Xylene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Pentachloroethane	NELAP	0.4	5.0		ND	µg/L	1	02/14/2022 9:54	187694
p-Isopropyltoluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Propionitrile	NELAP	0.9	10.0		ND	µg/L	1	02/14/2022 9:54	187694
sec-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Styrene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
tert-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Tetrachloroethene	NELAP	0.1	0.5		ND	µg/L	1	02/14/2022 9:54	187694
Tetrahydrofuran	NELAP	0.8	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Toluene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
trans-1,2-Dichloroethene	NELAP	0.1	2.0	J	0.2	µg/L	1	02/14/2022 9:54	187694
trans-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	02/14/2022 9:54	187694
trans-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Trichloroethene	NELAP	0.2	2.0		ND	µg/L	1	02/14/2022 9:54	187694
Trichlorofluoromethane	NELAP	0.1	5.0		ND	µg/L	1	02/14/2022 9:54	187694
Vinyl acetate	NELAP	0.3	5.0		ND	µg/L	1	02/14/2022 9:54	187694

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Lab ID: 22020712-002

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 02/11/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Vinyl chloride	NELAP	0.1	2.0		39.4	µg/L	1	02/14/2022 9:54	187694
Surr: 1,2-Dichloroethane-d4	*	0	80-120		96.5	%REC	1	02/14/2022 9:54	187694
Surr: 4-Bromofluorobenzene	*	0	80-120		103.4	%REC	1	02/14/2022 9:54	187694
Surr: Dibromofluoromethane	*	0	80-120		96.4	%REC	1	02/14/2022 9:54	187694
Surr: Toluene-d8	*	0	80-120		97.9	%REC	1	02/14/2022 9:54	187694

Allowable Marginal Exceedance of 1,1,2-Trichloroethane & 1,3-Dichloropropane in the laboratory control sample is verified per the TNI Standard.



Sample Summary

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
22020712-001	CW-6	Groundwater	1	02/11/2022 0:00
22020712-002	PZ-11	Groundwater	1	02/11/2022 0:00

Dates Report

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
		Test Name			
22020712-001A	CW-6	02/11/2022 0:00	02/11/2022 15:45		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			02/14/2022 9:30
22020712-002A	PZ-11	02/11/2022 0:00	02/11/2022 15:45		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			02/14/2022 9:54



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		ND						02/14/2022
1,1,1-Trichloroethane	*	2.0		ND						02/14/2022
1,1,2,2-Tetrachloroethane	*	2.0		ND						02/14/2022
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		ND						02/14/2022
1,1,2-Trichloroethane	*	0.5		ND						02/14/2022
1,1-Dichloro-2-propanone	*	30.0		ND						02/14/2022
1,1-Dichloroethane	*	2.0		ND						02/14/2022
1,1-Dichloroethene	*	2.0		ND						02/14/2022
1,1-Dichloropropene	*	2.0		ND						02/14/2022
1,2,3-Trichlorobenzene	*	2.0		ND						02/14/2022
1,2,3-Trichloropropane	*	2.0		ND						02/14/2022
1,2,3-Trimethylbenzene	*	2.0		ND						02/14/2022
1,2,4-Trichlorobenzene	*	2.0		ND						02/14/2022
1,2,4-Trimethylbenzene	*	2.0		ND						02/14/2022
1,2-Dibromo-3-chloropropane	*	5.0		ND						02/14/2022
1,2-Dibromoethane	*	2.0		ND						02/14/2022
1,2-Dichlorobenzene	*	2.0		ND						02/14/2022
1,2-Dichloroethane	*	2.0		ND						02/14/2022
1,2-Dichloropropane	*	2.0		ND						02/14/2022
1,3,5-Trimethylbenzene	*	2.0		ND						02/14/2022
1,3-Dichlorobenzene	*	2.0		ND						02/14/2022
1,3-Dichloropropane	*	2.0		ND						02/14/2022
1,4-Dichlorobenzene	*	2.0		ND						02/14/2022
1-Chlorobutane	*	5.0		ND						02/14/2022
2,2-Dichloropropane	*	2.0		ND						02/14/2022
2-Butanone	*	10.0		ND						02/14/2022
2-Chloroethyl vinyl ether	*	5.0		ND						02/14/2022
2-Chlorotoluene	*	2.0		ND						02/14/2022
2-Hexanone	*	10.0		ND						02/14/2022
2-Nitropropane	*	10.0		ND						02/14/2022
4-Chlorotoluene	*	2.0		ND						02/14/2022
4-Methyl-2-pentanone	*	10.0		ND						02/14/2022
Acetone	*	10.0		ND						02/14/2022
Acetonitrile	*	10.0		ND						02/14/2022
Acrolein	*	20.0		ND						02/14/2022
Acrylonitrile	*	5.0		ND						02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Allyl chloride	*	5.0		ND						02/14/2022
Benzene	*	0.5		ND						02/14/2022
Bromobenzene	*	2.0		ND						02/14/2022
Bromochloromethane	*	2.0		ND						02/14/2022
Bromodichloromethane	*	2.0		ND						02/14/2022
Bromoform	*	2.0		ND						02/14/2022
Bromomethane	*	5.0		ND						02/14/2022
Carbon disulfide	*	2.0		ND						02/14/2022
Carbon tetrachloride	*	2.0		ND						02/14/2022
Chlorobenzene	*	2.0		ND						02/14/2022
Chloroethane	*	2.0		ND						02/14/2022
Chloroform	*	2.0		ND						02/14/2022
Chloromethane	*	5.0		ND						02/14/2022
Chloroprene	*	5.0		ND						02/14/2022
cis-1,2-Dichloroethene	*	2.0		ND						02/14/2022
cis-1,3-Dichloropropene	*	2.0		ND						02/14/2022
cis-1,4-Dichloro-2-butene	*	2.0		ND						02/14/2022
Cyclohexanone	*	20.0		ND						02/14/2022
Dibromochloromethane	*	2.0		ND						02/14/2022
Dibromomethane	*	2.0		ND						02/14/2022
Dichlorodifluoromethane	*	2.0		ND						02/14/2022
Ethyl acetate	*	10.0		ND						02/14/2022
Ethyl ether	*	5.0		ND						02/14/2022
Ethyl methacrylate	*	5.0		ND						02/14/2022
Ethylbenzene	*	2.0		ND						02/14/2022
Hexachlorobutadiene	*	5.0		ND						02/14/2022
Hexachloroethane	*	5.0		ND						02/14/2022
Iodomethane	*	5.0		ND						02/14/2022
Isopropylbenzene	*	2.0		ND						02/14/2022
m,p-Xylenes	*	2.0		ND						02/14/2022
Methacrylonitrile	*	5.0		ND						02/14/2022
Methyl Methacrylate	*	5.0		ND						02/14/2022
Methyl tert-butyl ether	*	2.0		ND						02/14/2022
Methylacrylate	*	5.0		ND						02/14/2022
Methylene chloride	*	2.0		ND						02/14/2022
Naphthalene	*	5.0		ND						02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
n-Butyl acetate	*	2.0		ND						02/14/2022	
n-Butylbenzene	*	2.0		ND						02/14/2022	
n-Heptane	*	5.0		ND						02/14/2022	
n-Hexane	*	5.0		ND						02/14/2022	
Nitrobenzene	*	50.0		ND						02/14/2022	
n-Propylbenzene	*	2.0		ND						02/14/2022	
o-Xylene	*	2.0		ND						02/14/2022	
Pentachloroethane	*	5.0		ND						02/14/2022	
p-Isopropyltoluene	*	2.0		ND						02/14/2022	
Propionitrile	*	10.0		ND						02/14/2022	
sec-Butylbenzene	*	2.0		ND						02/14/2022	
Styrene	*	2.0		ND						02/14/2022	
tert-Butylbenzene	*	2.0		ND						02/14/2022	
Tetrachloroethene	*	0.5		ND						02/14/2022	
Tetrahydrofuran	*	5.0		ND						02/14/2022	
Toluene	*	2.0		ND						02/14/2022	
trans-1,2-Dichloroethene	*	2.0		ND						02/14/2022	
trans-1,3-Dichloropropene	*	2.0		ND						02/14/2022	
trans-1,4-Dichloro-2-butene	*	2.0		ND						02/14/2022	
Trichloroethene	*	2.0		ND						02/14/2022	
Trichlorofluoromethane	*	5.0		ND						02/14/2022	
Vinyl acetate	*	5.0		ND						02/14/2022	
Vinyl chloride	*	2.0		ND						02/14/2022	
Surr: 1,2-Dichloroethane-d4	*			48.9		50.00		97.8	80	120	02/14/2022
Surr: 4-Bromofluorobenzene	*			51.0		50.00		102.0	80	120	02/14/2022
Surr: Dibromofluoromethane	*			48.2		50.00		96.5	80	120	02/14/2022
Surr: Toluene-d8	*			48.5		50.00		97.1	80	120	02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	187694	SampType:	LCS	Units	µg/L					Date Analyzed
SampID: LCS-AK220214A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		48.5	50.00	0	97.0	82	113	02/14/2022
1,1,1-Trichloroethane	*	2.0		50.8	50.00	0	101.5	76.9	128	02/14/2022
1,1,2,2-Tetrachloroethane	*	2.0		50.0	50.00	0	100.0	76.7	113	02/14/2022
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		52.4	50.00	0	104.8	69.5	127	02/14/2022
1,1,2-Trichloroethane	*	0.5		52.1	50.00	0	104.2	83.8	111	02/14/2022
1,1-Dichloro-2-propanone	*	30.0		107	125.0	0	85.3	74.9	117	02/14/2022
1,1-Dichloroethane	*	2.0		52.9	50.00	0	105.8	77	129	02/14/2022
1,1-Dichloroethene	*	2.0		52.7	50.00	0	105.4	69.4	127	02/14/2022
1,1-Dichloropropene	*	2.0		53.6	50.00	0	107.1	75.1	123	02/14/2022
1,2,3-Trichlorobenzene	*	2.0		49.6	50.00	0	99.3	77.3	121	02/14/2022
1,2,3-Trichloropropane	*	2.0		48.0	50.00	0	96.0	75.3	109	02/14/2022
1,2,3-Trimethylbenzene	*	2.0		50.8	50.00	0	101.7	77	115	02/14/2022
1,2,4-Trichlorobenzene	*	2.0		49.4	50.00	0	98.8	76.8	124	02/14/2022
1,2,4-Trimethylbenzene	*	2.0		52.0	50.00	0	104.0	75	115	02/14/2022
1,2-Dibromo-3-chloropropane	*	5.0		45.8	50.00	0	91.6	71.9	119	02/14/2022
1,2-Dibromoethane	*	2.0		50.9	50.00	0	101.8	83.6	110	02/14/2022
1,2-Dichlorobenzene	*	2.0		50.0	50.00	0	100.0	72.1	113	02/14/2022
1,2-Dichloroethane	*	2.0		50.5	50.00	0	101.0	72.3	117	02/14/2022
1,2-Dichloropropane	*	2.0		53.0	50.00	0	106.1	76.5	119	02/14/2022
1,3,5-Trimethylbenzene	*	2.0		51.6	50.00	0	103.2	75.2	117	02/14/2022
1,3-Dichlorobenzene	*	2.0		50.0	50.00	0	100.1	75.2	115	02/14/2022
1,3-Dichloropropane	*	2.0		52.5	50.00	0	105.0	80.9	110	02/14/2022
1,4-Dichlorobenzene	*	2.0		49.2	50.00	0	98.3	73.9	112	02/14/2022
1-Chlorobutane	*	5.0		54.7	50.00	0	109.5	74.9	130	02/14/2022
2,2-Dichloropropane	*	2.0		49.0	50.00	0	98.0	66.5	138	02/14/2022
2-Butanone	*	10.0		127	125.0	0	101.3	68.8	134	02/14/2022
2-Chloroethyl vinyl ether	*	5.0		55.4	50.00	0	110.8	17.8	163	02/14/2022
2-Chlorotoluene	*	2.0		50.1	50.00	0	100.2	74.9	115	02/14/2022
2-Hexanone	*	10.0		119	125.0	0	95.0	73.2	117	02/14/2022
2-Nitropropane	*	10.0		536	500.0	0	107.1	67.1	140	02/14/2022
4-Chlorotoluene	*	2.0		52.1	50.00	0	104.2	75.7	113	02/14/2022
4-Methyl-2-pentanone	*	10.0		124	125.0	0	99.0	77	113	02/14/2022
Acetone	*	10.0		130	125.0	0	103.7	61.4	130	02/14/2022
Acetonitrile	*	10.0		555	500.0	0	111.1	68.8	136	02/14/2022
Acrolein	*	20.0		551	500.0	0	110.2	28.4	168	02/14/2022
Acrylonitrile	*	5.0		50.9	50.00	0	101.8	77.9	124	02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	187694	SampType:	LCS	Units	µg/L						Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Allyl chloride		*	5.0		56.3	50.00	0	112.5	75.8	130	02/14/2022
Benzene		*	0.5		54.4	50.00	0	108.9	78.5	119	02/14/2022
Bromobenzene		*	2.0		47.9	50.00	0	95.9	77.5	113	02/14/2022
Bromochloromethane		*	2.0		51.3	50.00	0	102.6	71.5	123	02/14/2022
Bromodichloromethane		*	2.0		54.5	50.00	0	108.9	75.7	123	02/14/2022
Bromoform		*	2.0		47.8	50.00	0	95.6	78.9	121	02/14/2022
Bromomethane		*	5.0		63.8	50.00	0	127.5	30.5	192	02/14/2022
Carbon disulfide		*	2.0		55.7	50.00	0	111.4	66.7	121	02/14/2022
Carbon tetrachloride		*	2.0		50.6	50.00	0	101.1	70.9	127	02/14/2022
Chlorobenzene		*	2.0		50.6	50.00	0	101.2	80	111	02/14/2022
Chloroethane		*	2.0		49.9	50.00	0	99.7	69.6	135	02/14/2022
Chloroform		*	2.0		53.7	50.00	0	107.3	76.2	120	02/14/2022
Chloromethane		*	5.0		51.7	50.00	0	103.5	50.9	138	02/14/2022
Chloroprene		*	5.0		50.6	50.00	0	101.1	68.4	127	02/14/2022
cis-1,2-Dichloroethene		*	2.0		53.8	50.00	0	107.5	79.5	121	02/14/2022
cis-1,3-Dichloropropene		*	2.0		55.1	50.00	0	110.3	79.8	123	02/14/2022
cis-1,4-Dichloro-2-butene		*	2.0		43.6	50.00	0	87.3	64.6	130	02/14/2022
Cyclohexanone		*	20.0		457	500.0	0	91.4	70.5	114	02/14/2022
Dibromochloromethane		*	2.0		52.0	50.00	0	104.1	84.5	114	02/14/2022
Dibromomethane		*	2.0		54.0	50.00	0	108.0	76	119	02/14/2022
Dichlorodifluoromethane		*	2.0		45.6	50.00	0	91.1	46.6	142	02/14/2022
Ethyl acetate		*	10.0		50.7	50.00	0	101.4	70.3	115	02/14/2022
Ethyl ether		*	5.0		52.5	50.00	0	105.0	74.6	120	02/14/2022
Ethyl methacrylate		*	5.0		50.6	50.00	0	101.2	81.4	116	02/14/2022
Ethylbenzene		*	2.0		52.0	50.00	0	104.0	78.2	114	02/14/2022
Hexachlorobutadiene		*	5.0		47.9	50.00	0	95.8	73.9	129	02/14/2022
Hexachloroethane		*	5.0		49.3	50.00	0	98.5	78.3	123	02/14/2022
Iodomethane		*	5.0		56.2	50.00	0	112.4	50	151	02/14/2022
Isopropylbenzene		*	2.0		51.4	50.00	0	102.9	79.3	115	02/14/2022
m,p-Xylenes		*	2.0		103	100.0	0	103.3	77.2	116	02/14/2022
Methacrylonitrile		*	5.0		49.7	50.00	0	99.4	73.9	127	02/14/2022
Methyl Methacrylate		*	5.0		49.4	50.00	0	98.8	70.7	129	02/14/2022
Methyl tert-butyl ether		*	2.0		51.6	50.00	0	103.2	80.3	122	02/14/2022
Methylacrylate		*	5.0		49.0	50.00	0	97.9	75.2	124	02/14/2022
Methylene chloride		*	2.0		49.9	50.00	0	99.8	71.8	115	02/14/2022
Naphthalene		*	5.0		48.3	50.00	0	96.6	75.6	121	02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	187694	SampType:	LCS	Units	µg/L						Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
n-Butyl acetate		*	2.0		48.5	50.00	0	97.0	72.4	118	02/14/2022
n-Butylbenzene		*	2.0		50.4	50.00	0	100.8	70.8	118	02/14/2022
n-Heptane		*	5.0		59.7	50.00	0	119.4	50.4	143	02/14/2022
n-Hexane		*	5.0		53.2	50.00	0	106.3	60.6	139	02/14/2022
Nitrobenzene		*	50.0		434	500.0	0	86.7	49.4	129	02/14/2022
n-Propylbenzene		*	2.0		51.7	50.00	0	103.4	74	119	02/14/2022
o-Xylene		*	2.0		51.2	50.00	0	102.4	79.2	112	02/14/2022
Pentachloroethane		*	5.0		48.1	50.00	0	96.3	71.8	124	02/14/2022
p-Isopropyltoluene		*	2.0		50.3	50.00	0	100.6	74.4	119	02/14/2022
Propionitrile		*	10.0		535	500.0	0	107.0	76.2	127	02/14/2022
sec-Butylbenzene		*	2.0		51.7	50.00	0	103.4	74.4	119	02/14/2022
Styrene		*	2.0		53.4	50.00	0	106.7	80.4	117	02/14/2022
tert-Butylbenzene		*	2.0		50.1	50.00	0	100.2	74	115	02/14/2022
Tetrachloroethene		*	0.5		48.3	50.00	0	96.7	70.1	120	02/14/2022
Tetrahydrofuran		*	5.0		46.2	50.00	0	92.3	63.5	122	02/14/2022
Toluene		*	2.0		51.3	50.00	0	102.6	78.6	112	02/14/2022
trans-1,2-Dichloroethene		*	2.0		53.2	50.00	0	106.4	75.7	130	02/14/2022
trans-1,3-Dichloropropene		*	2.0		51.1	50.00	0	102.2	80.3	116	02/14/2022
trans-1,4-Dichloro-2-butene		*	2.0		42.6	50.00	0	85.2	65.5	124	02/14/2022
Trichloroethene		*	2.0		53.4	50.00	0	106.8	76.2	121	02/14/2022
Trichlorofluoromethane		*	5.0		50.3	50.00	0	100.6	71.1	131	02/14/2022
Vinyl acetate		*	5.0		54.5	50.00	0	109.1	79.8	129	02/14/2022
Vinyl chloride		*	2.0		54.5	50.00	0	109.1	58.6	141	02/14/2022
Surr: 1,2-Dichloroethane-d4		*			48.3	50.00		96.7	80	120	02/14/2022
Surr: 4-Bromofluorobenzene		*			49.6	50.00		99.2	80	120	02/14/2022
Surr: Dibromofluoromethane		*			48.4	50.00		96.7	80	120	02/14/2022
Surr: Toluene-d8		*			48.3	50.00		96.7	80	120	02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	187694	SampType:	LCSD	Units	µg/L	RPD Limit: 15.4					Date Analyzed
SampID: LCSD-AK220214A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
1,1,1,2-Tetrachloroethane	*	2.0		51.5	50.00	0	102.9	48.49	5.96		02/14/2022
1,1,1-Trichloroethane	*	2.0		53.8	50.00	0	107.6	50.77	5.83		02/14/2022
1,1,2,2-Tetrachloroethane	*	2.0		53.9	50.00	0	107.8	50.00	7.49		02/14/2022
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		54.4	50.00	0	108.8	52.39	3.73		02/14/2022
1,1,2-Trichloroethane	*	0.5	S	55.7	50.00	0	111.3	52.11	6.59		02/14/2022
1,1-Dichloro-2-propanone	*	30.0		120	125.0	0	96.3	106.7	12.04		02/14/2022
1,1-Dichloroethane	*	2.0		56.3	50.00	0	112.5	52.90	6.16		02/14/2022
1,1-Dichloroethene	*	2.0		55.5	50.00	0	111.0	52.72	5.10		02/14/2022
1,1-Dichloropropene	*	2.0		55.9	50.00	0	111.8	53.57	4.26		02/14/2022
1,2,3-Trichlorobenzene	*	2.0		53.1	50.00	0	106.3	49.64	6.79		02/14/2022
1,2,3-Trichloropropane	*	2.0		51.6	50.00	0	103.1	47.98	7.21		02/14/2022
1,2,3-Trimethylbenzene	*	2.0		53.7	50.00	0	107.4	50.85	5.47		02/14/2022
1,2,4-Trichlorobenzene	*	2.0		52.5	50.00	0	105.0	49.39	6.09		02/14/2022
1,2,4-Trimethylbenzene	*	2.0		54.8	50.00	0	109.6	52.02	5.17		02/14/2022
1,2-Dibromo-3-chloropropane	*	5.0		49.6	50.00	0	99.2	45.79	7.97		02/14/2022
1,2-Dibromoethane	*	2.0		54.2	50.00	0	108.3	50.92	6.19		02/14/2022
1,2-Dichlorobenzene	*	2.0		53.0	50.00	0	106.0	49.98	5.83		02/14/2022
1,2-Dichloroethane	*	2.0		53.5	50.00	0	106.9	50.50	5.69		02/14/2022
1,2-Dichloropropane	*	2.0		56.4	50.00	0	112.8	53.03	6.12		02/14/2022
1,3,5-Trimethylbenzene	*	2.0		53.9	50.00	0	107.9	51.61	4.40		02/14/2022
1,3-Dichlorobenzene	*	2.0		52.8	50.00	0	105.7	50.03	5.48		02/14/2022
1,3-Dichloropropane	*	2.0	S	55.5	50.00	0	111.0	52.49	5.54		02/14/2022
1,4-Dichlorobenzene	*	2.0		52.1	50.00	0	104.2	49.16	5.81		02/14/2022
1-Chlorobutane	*	5.0		57.7	50.00	0	115.3	54.73	5.21		02/14/2022
2,2-Dichloropropane	*	2.0		51.7	50.00	0	103.4	48.98	5.42		02/14/2022
2-Butanone	*	10.0		140	125.0	0	111.8	126.6	9.88		02/14/2022
2-Chloroethyl vinyl ether	*	5.0		59.0	50.00	0	118.1	55.38	6.40		02/14/2022
2-Chlorotoluene	*	2.0		53.2	50.00	0	106.3	50.11	5.89		02/14/2022
2-Hexanone	*	10.0		129	125.0	0	103.6	118.8	8.64		02/14/2022
2-Nitropropane	*	10.0		587	500.0	0	117.5	535.5	9.22		02/14/2022
4-Chlorotoluene	*	2.0		54.8	50.00	0	109.7	52.12	5.10		02/14/2022
4-Methyl-2-pentanone	*	10.0		135	125.0	0	108.2	123.8	8.84		02/14/2022
Acetone	*	10.0		141	125.0	0	112.7	129.6	8.32		02/14/2022
Acetonitrile	*	10.0		614	500.0	0	122.8	555.4	9.97		02/14/2022
Acrolein	*	20.0		572	500.0	0	114.3	551.0	3.66		02/14/2022
Acrylonitrile	*	5.0		54.9	50.00	0	109.9	50.89	7.64		02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	187694	SampType:	LCSD	Units	µg/L	RPD Limit: 15.4					Date Analyzed
SampID: LCSD-AK220214A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Allyl chloride	*	5.0		60.0	50.00	0	119.9	56.26	6.37		02/14/2022
Benzene	*	0.5		57.1	50.00	0	114.2	54.44	4.80		02/14/2022
Bromobenzene	*	2.0		51.0	50.00	0	102.0	47.93	6.17		02/14/2022
Bromochloromethane	*	2.0		54.4	50.00	0	108.8	51.31	5.83		02/14/2022
Bromodichloromethane	*	2.0		57.6	50.00	0	115.1	54.47	5.50		02/14/2022
Bromoform	*	2.0		51.5	50.00	0	102.9	47.81	7.37		02/14/2022
Bromomethane	*	5.0		64.7	50.00	0	129.4	63.76	1.46		02/14/2022
Carbon disulfide	*	2.0		58.0	50.00	0	116.0	55.71	4.01		02/14/2022
Carbon tetrachloride	*	2.0		53.1	50.00	0	106.2	50.57	4.86		02/14/2022
Chlorobenzene	*	2.0		53.9	50.00	0	107.9	50.61	6.35		02/14/2022
Chloroethane	*	2.0		53.1	50.00	0	106.2	49.86	6.31		02/14/2022
Chloroform	*	2.0		57.1	50.00	0	114.1	53.67	6.12		02/14/2022
Chloromethane	*	5.0		54.7	50.00	0	109.4	51.73	5.60		02/14/2022
Chloroprene	*	5.0		54.0	50.00	0	108.0	50.55	6.62		02/14/2022
cis-1,2-Dichloroethene	*	2.0		56.8	50.00	0	113.5	53.76	5.41		02/14/2022
cis-1,3-Dichloropropene	*	2.0		58.3	50.00	0	116.5	55.14	5.50		02/14/2022
cis-1,4-Dichloro-2-butene	*	2.0		47.8	50.00	0	95.6	43.63	9.16		02/14/2022
Cyclohexanone	*	20.0		488	500.0	0	97.7	456.8	6.69		02/14/2022
Dibromochloromethane	*	2.0		55.1	50.00	0	110.2	52.04	5.71		02/14/2022
Dibromomethane	*	2.0		56.6	50.00	0	113.2	54.01	4.70		02/14/2022
Dichlorodifluoromethane	*	2.0		46.7	50.00	0	93.4	45.55	2.51		02/14/2022
Ethyl acetate	*	10.0		55.4	50.00	0	110.8	50.68	8.86		02/14/2022
Ethyl ether	*	5.0		56.5	50.00	0	113.1	52.52	7.37		02/14/2022
Ethyl methacrylate	*	5.0		54.8	50.00	0	109.5	50.58	7.92		02/14/2022
Ethylbenzene	*	2.0		54.8	50.00	0	109.6	52.01	5.24		02/14/2022
Hexachlorobutadiene	*	5.0		49.2	50.00	0	98.4	47.89	2.74		02/14/2022
Hexachloroethane	*	5.0		51.7	50.00	0	103.4	49.27	4.79		02/14/2022
Iodomethane	*	5.0		58.9	50.00	0	117.8	56.19	4.71		02/14/2022
Isopropylbenzene	*	2.0		54.2	50.00	0	108.3	51.45	5.11		02/14/2022
m,p-Xylenes	*	2.0		109	100.0	0	109.2	103.3	5.60		02/14/2022
Methacrylonitrile	*	5.0		54.5	50.00	0	109.1	49.70	9.29		02/14/2022
Methyl Methacrylate	*	5.0		54.0	50.00	0	108.0	49.39	8.90		02/14/2022
Methyl tert-butyl ether	*	2.0		56.3	50.00	0	112.5	51.62	8.60		02/14/2022
Methylacrylate	*	5.0		53.6	50.00	0	107.2	48.95	9.03		02/14/2022
Methylene chloride	*	2.0		52.8	50.00	0	105.7	49.91	5.70		02/14/2022
Naphthalene	*	5.0		52.1	50.00	0	104.3	48.31	7.61		02/14/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	187694	SampType:	LCSD	Units	µg/L	RPD Limit: 15.4					Date Analyzed
SampID: LCSD-AK220214A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
n-Butyl acetate	*	2.0		53.1	50.00	0	106.2	48.52	9.00		02/14/2022
n-Butylbenzene	*	2.0		52.9	50.00	0	105.8	50.41	4.78		02/14/2022
n-Heptane	*	5.0		61.8	50.00	0	123.6	59.72	3.46		02/14/2022
n-Hexane	*	5.0		54.2	50.00	0	108.4	53.17	1.90		02/14/2022
Nitrobenzene	*	50.0		479	500.0	0	95.8	433.7	9.88		02/14/2022
n-Propylbenzene	*	2.0		54.2	50.00	0	108.3	51.70	4.65		02/14/2022
o-Xylene	*	2.0		54.0	50.00	0	108.0	51.22	5.30		02/14/2022
Pentachloroethane	*	5.0		51.1	50.00	0	102.2	48.14	6.00		02/14/2022
p-Isopropyltoluene	*	2.0		53.1	50.00	0	106.2	50.28	5.42		02/14/2022
Propionitrile	*	10.0		581	500.0	0	116.2	535.2	8.26		02/14/2022
sec-Butylbenzene	*	2.0		54.1	50.00	0	108.2	51.69	4.52		02/14/2022
Styrene	*	2.0		56.7	50.00	0	113.4	53.37	6.02		02/14/2022
tert-Butylbenzene	*	2.0		51.3	50.00	0	102.7	50.08	2.48		02/14/2022
Tetrachloroethene	*	0.5		50.4	50.00	0	100.9	48.34	4.23		02/14/2022
Tetrahydrofuran	*	5.0		50.1	50.00	0	100.1	46.17	8.10		02/14/2022
Toluene	*	2.0		54.2	50.00	0	108.5	51.31	5.55		02/14/2022
trans-1,2-Dichloroethene	*	2.0		56.3	50.00	0	112.6	53.18	5.72		02/14/2022
trans-1,3-Dichloropropene	*	2.0		54.4	50.00	0	108.8	51.12	6.22		02/14/2022
trans-1,4-Dichloro-2-butene	*	2.0		46.6	50.00	0	93.3	42.62	9.01		02/14/2022
Trichloroethene	*	2.0		56.5	50.00	0	113.0	53.40	5.66		02/14/2022
Trichlorofluoromethane	*	5.0		52.4	50.00	0	104.7	50.31	3.99		02/14/2022
Vinyl acetate	*	5.0		58.6	50.00	0	117.2	54.54	7.21		02/14/2022
Vinyl chloride	*	2.0		57.9	50.00	0	115.8	54.54	5.96		02/14/2022
Surr: 1,2-Dichloroethane-d4	*			48.0	50.00		96.0				02/14/2022
Surr: 4-Bromofluorobenzene	*			49.2	50.00		98.3				02/14/2022
Surr: Dibromofluoromethane	*			48.2	50.00		96.3				02/14/2022
Surr: Toluene-d8	*			48.4	50.00		96.9				02/14/2022

Receiving Check List

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 22020712

Client Project: Ameren Huster Road

Report Date: 14-Feb-22

Carrier: Reginald Gardner

Received By: PWR

Completed by:

On:

11-Feb-22



Patrick Riley

Reviewed by:

On:

11-Feb-22



Elizabeth A. Hurley

Pages to follow: Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 12.0
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water – at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. _____ of _____ Work order # 22020712

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 70463



PR
7/11/22